

From: Separation Science <elearning.solutions@sepscience.com>
Sent: Wednesday, November 16, 2011 1:12 PM
To: Hanchett, James (DPH)
Subject: Today in Separation Science - Latest Issue of HPLC Solutions


Column blockage

Online Version Forward Unsubscribe


John Dolan's
Update

Separation Science e-Learning

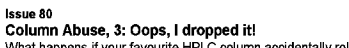
HPLC Solutions




Issue 82
Column Blockage
A reader reported a problem with blockage of a column packed with one of the newer shell-type packings. The mobile phase A comprises a mixture of 0.1 M KH_2PO_4 , 0.05% triethylamine (TEA), and 150 mg/L EDTA adjusted to pH 7.5 with NaOH. The B-solvent is a mixture of acetonitrile (ACN) and methanol (MeOH). A gradient of 5-60% B is run over one hour, then the column is flushed with 5% B. When he switched from 60% B to 5% B, the column became blocked. Continued attempts at flushing or back-flushing didn't help. He asked what can be done to rescue the column and to avoid the problem in the future.
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
Issue 81
Readers Share In-Line Degasser Experiences
After I wrote an HPLC Solutions article on in-line degassers (#72), I immediately received some reader feedback on a specific failure, which was published in #73. Since that time I have been collecting occasional reports of degasser failures. This week I'd like to share a few of these.
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
Issue 80
Column Abuse, 3: Oops, I dropped it!
What happens if your favourite HPLC column accidentally rolls off the bench and lands on the concrete floor of the lab? Is it ruined? There was a time when HPLC columns were much more delicate than they are today, and any physical shock risked column damage.
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
Chromatography Forum' is now part of Separation Science. Click on the icons to read the latest 'hot topics'...




Liquid Chromatography




Gas Chromatography



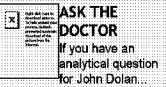
Hyphenated Techniques



Sample Prep



Data Systems



ASK THE DOCTOR
If you have an analytical question for John Dolan...

[CLICK HERE >>](#)

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Company: Phenomenex
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Molecular Weight Determination of LMWH SEC/MALS vs SEC/UV-RI
Company: Wyatt
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Company: Restek
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